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the **tree-structured wavelet transform** used in [6]. The key point in our approach is that we no longer Referring to the **tree structure**, the **node** (0,0) represents the logarithm of ... each **node** has either no **offspring** (the leaves) or four **offspring**, **Tree-structured coding: The wavelet coefficients** in the ...

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dering 3-D **wavelet transform coefficients**. This data **structure** consists of temporal 1-D orientation **node** to its two **offspring**. The roots of the trees also have two **offspring** ... the SPECK algorithm to produce the significance **map**, magni- coding, the proposed **decoupled 3-D zero tree data structure** can ...

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Although previous solutions generally adapt the **zero-tree structure** to the WPT, ... The main reason for this is due to the dyadic **wavelet transform** (DWT) on which SPIHT ... The new children of a parent **node** are defined as the **coefficients** that set is partitioned into **offspring set** and indirect descendant set ...

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Since S.Mallat first applied **wavelet transformation** to image compression, ... of coordinates of all the **offspring** of the **node** (, i) j (four children **nodes**). ... The **tree structure** of (b) sizes of FD **map** LZC algorithm and FC **map** Fig 2. ... We know that **wavelet coefficients** with low value have little influence on ...

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the discrete cosine **transform** (DCT) to the **wavelet coefficients** in the highest ... excluding the immediate four **offspring** of the **node**. ... Its coding **structure** and exploiting strategy are based on **zero-tree** root Ulug Bayazit: Significance **map** pruning and other enhancements to SPIHT image coding algorithm. ...

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In addition, since **wavelet transform** scheme can avoid the block effect introduced in ... The best basis **structure** of **wavelet packet** can help us to construct a ... of **wavelet packet coefficients** using the greedy growth **tree** algorithm. procedure stops and the current parent **node** and its all **offspring nodes** are ...

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 successively **Tree structure: Node** corresponds to a pixel and is identified by a ... set of
 coordinates of all **offspring of node (i,j)**; ...
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 approach for ECG compression using **wavelet transform** and ... of setting the value of
coefficient to zero if the absolute value parent-**offspring** orientation **tree** in order to
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 there are **wavelet coefficients** in ... (positive or negative) or isolated **zero** or **zero tree**
 (unless the ... Descendant include the **offspring**, **offspring** of the **offspring** and so on. • H:
 set of all root **nodes** ...
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